

WATER QUALITY M E M O R A N D U M

Utah Coal Regulatory Program

December 1, 2003

TO: Internal File

THRU: Daron R. Haddock, Permit Supervisor

FROM: Gregg A. Galecki, Reclamation Specialist III

RE: 2003 First Quarter Water Monitoring, Andalex Resources, Inc., Centennial Project, C/007/0019-WQ03-1, Task ID #158

1. Was data submitted for all of the MRP required sites? YES [X] NO []

2. On what date does the MRP require a five-year re-sampling of baseline water data.
See Technical Directive 004 for baseline resampling requirements. Consider the Five Year Baseline resubmittal when responding to question one above. Indicate if the MRP does not have such a requirement

Resampling due date 09/04/2006

The MRP commits to sampling baseline water parameters one year prior to the renewal date.

The next renewal submittal is due 09/04/2006, for renewal on 04/04/2007.

3. Were all required parameters reported for each site? YES [X] NO []

4. Were irregularities found in the data? YES [X] NO []

Of 14 monitoring sites, ten (10) sites demonstrated 'No Flow' and one (1) site had 'No Access'; leaving three (3) sites submitted for lab analysis (Spring S18-1, Stream 18-3, and Well #1). Stream 18-3 was sampled for the first time in three years; flow was approximately 70 gpm; analytical values were within anticipated ranges.

Since September 1998, the water level in Well #1 has steadily dropped from a depth of 60-feet to 73-feet, respectively. The water level appears to have stabilized with no additional drop in the last year. This condition will continue to be monitored.

5. Were DMR forms submitted for all required sites?

1st month, YES [X] NO []
2nd month, YES [X] NO []
3rd month, YES [X] NO []

6. Were all required DMR parameters reported?

YES [X] NO []

DMR sites UT0040008 001 through 004 were reviewed. A total of three (3) discharges were reported from 004 (The Aberdeen Mine) during the quarter (1/30/03, 2/20/03, and 3/25/03 respectively). An exceedance occurred on 02/20/03 with Total Dissolved Solids (TDS) with a flow of approximately 60 gpm and a TDS value of 2,792 mg/l. The daily load-limit for TDS is 2,000 lb/day and the calculated reported total TDS was 2,013. The other two discharges were below the daily maximum at 1,887 lbs and 1,452 lbs, respectively.

7. Were irregularities found in the DMR data?

YES [] NO [X]

No irregularities were noted.

8. Based on your review, what further actions, if any, do you recommend?

No further action is necessary for the 2003 1st Quarter Water Monitoring data.